TOSHIBA

Satellite® 5105 Series

The Ultimate Multimedia notebook with remote control

Model(s): Part Numbers

Satellite 5105-S701
P4 1800/15.0"UXGA ASV/512MB/60GB/DVD-CDRW/Mdm/LAN/WiFi/WinXP Home PS511U-02WYJX

Satellite 5105-S702
P4 1800/15.0"UXGA ASV/512MB/60GB/DVD-CDRW/Mdm/LAN/WiFi/WinXP Pro PS511U-02WYJJ

Product Highlights

Performance
- Mobile Intel® Pentium® 4 Processor-M at 1.80GHz
- 512MB of Main Memory
- 60 GB hard disk drive

Convenient design
- New **Toshiba Remote Control** device
- DVD-ROM/CDRW multi-function
- External 3.5" 1.44MB USB floppy diskette drive included

Great Features
- Toshiba Personal Theatre 15.0" UXGA screen display
- **NVIDIA GeForce4 440 Go**, 64MB DDR video memory
- New **cPad™** pointing device

Get On-Line
- Integrated V.90/56K modem
- Integrated 10/100 Ethernet LAN
- Integrated 802.11b Wireless LAN

System Characteristics

CPU *(See CPU Performance Disclaimer)*
- Mobile Intel® Pentium® 4 Processor-M at 1.80GHz
- Integrated co-Processor

L2 Cache
- 512KB Level 2 Cache integrated on die
- 400MHz Front Side Bus (FSB) clock speed

Memory
- 512MB SDRAM **(Expandable to 1024MB)**
- Expansion memory: 128/256/**512**MB, 2.5V, SODIMM, PC2100 DDR SDRAM
- Data/Address Bus Width; 64-bit/32-bit
- BIOS ROM: Intel FWH, 4MBit
- Intel® 845MP Chipset

Mass Storage
- **Floppy Disk Drive**: External USB 3.5", 1.44MB
- **Primary Hard Disk Drive**: 60GB hard disk drive, Enhanced IDE (ATA-5) Interface, 9.5mm height, 0.2lbs, 12ms access time (read/write), 2ms track to track seek time (read/write), supports PIO mode 4, Ultra DMA mode 5, Multiword DMA mode 2
- **DVD-ROM/CDRW**: Enhanced IDE (ATAPI) Interface; Compatibility: CD-ROM, CD-R (read/write), CD-RW (read/re-write), DVD-ROM, DVD-R (read only).
  Data Transfer Rate (min/max):
  - CD-ROM mode: 3600KB/sec
  - CD-R mode: 2400KB/sec
  - CD-RW mode: 1500KB/sec
  - DVD-ROM mode: 10800KB/sec
- Software Decoder: InterVideo (WinDVD)

Graphics/Video
- Toshiba Personal Theatre 15.0" UXGA active-matrix display; internal display supports up to 16M colors at 1600 x 1200
- **NVIDIA GeForce4 440 Go** graphics controller; 64MB 220MHz DDR external video memory
- 3D Graphics Accelerator, AGP bus support; 2D Graphics Accelerator, BitBLT hardware, Hardware cursor, Direct Draw support
- External Color Support/Refresh Rate:
  800 x 600; 100Hz Non-Interlaced @16M
  1024 x 768; 100Hz Non-Interlaced @16M
  1280 x 1024; 100Hz Non-Interlaced @16M
  1600 x 1200; 85Hz Non-Interlaced @16M
  1920 x 1440; 60Hz Non-Interlaced @16M
  2048 x 1536; 60Hz Non-Interlaced @16M

Input Devices
- **Keyboard:** Full sized 85 keys with 12 function keys, 2.7mm key stroke, 6mm height; Dedicated Windows® & Application keys support; HotKey function; **cPad™** pointing device with Scroll function.
- **Toshiba Remote Control function:** Power On/Shut Down, CD/DVD/Digital Audio play control, Volume Control, Keyboard Emulation, Task change, Maximize Window
- **CD Control Function:** Play/Pause, Stop/Eject, Previous, Skip/Next, CD Power, and MP3 function
- Toshiba Console button & Instant Access Internet button

Expandability
- 2 Expansion memory slots (including main memory slot); 2 PC Card slots support 2 Type II or 1 Type III PC Cards; 32-bit CardBus ready

Communications
- Integrated V.90/56K modem; Data and fax support
- Integrated 10/100 Ethernet LAN
- Integrated 802.11b Wireless LAN

Due to FCC limitations, speeds of 53kbps are the maximum permissible transmission rates during Download. Actual data transmission speeds will vary depending on line conditions.

Ports
- RGB (monitor) port
- 3 Universal Serial Bus ports
- Infrared port
- TV-Out (NTSC/PAL output; 3.5mm mini jack, bundled RCA conversion cable)
- RJ-45 LAN port
- RJ-11 modem port
- S/P DIF – headphone port (integrated to S/P DIF), Dolby AC3 Digital support (S/P DIF Optical)
- I.Link (IEEE 1394) port
- SmartMedia slot
- Secure Digital (SD) card slot

Physical Description
- Dimensions (LxWxH): 12.9" x 11.6" x 1.8"
- Weight: 7.17lbs
- LED Indicators: Power, Power Save Mode, HDD, DVD/CDRW, DC-IN, Caps Lock, Arrow, Numeric, Main Battery Charging Status (on Sub LCD), Remaining Battery life (on Sub LCD), System Sleep/Suspend Status, SD Card, SmartMedia, Wireless Communication

Sound
- Yamaha YMF753 Codec Chip
- 16-bit stereo, Windows Sound System Ver. 2.0; SoundBlaster® Pro compatible (in DOS box only)
- **Built-in harman/kardon Stereo Speakers with subwoofer**
- 3D sound support with HRTF 3D positional audio; Direct 3D Sound (supported by sound driver); Hardware acceleration for DirectSound and DirectMusic; Full Duplex and MIDI (play back) support, 64 voices
- Sound Volume (by Dial)
- **Ports:** External Microphone port, headphone port (integrated to S/P DIF), Line-in port, Line-out (unified with TV-Out), Dolby AC3 Digital support (S/P DIF Optical)

Power Supply
- **AC Adapter: 75**W AC Adapter, 100-240V / 50-60Hz frequency

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(Universal) input voltage, 15V x 5A Output.
Dimensions (LxWxH): 4.9" x 2.4" x 0.9"
Weight: 0.74lbs

- **Battery Pack: 6**-cell, rechargeable, removable Lithium Ion (Graphite) battery, 10.8V x 3600mAh
  Dimension (LxWxH): 6.8" x 2.7" x 0.7"
  Weight: 0.81lbs
- Battery Saver (in WindowsXP): Stand by, HDD Auto Off, Display Auto Off, Throttling, Hibernation
- Up to 1.43h battery life; Recharge time(off/on): 2.5h/ 10h
  Battery life may vary depending on applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see your accessories information that shipped with your computer or visit the Toshiba website at http://www.shoptoshiba.com/

Security

- Slot for computer lock, HDD and memory (by screw only), Built-in Modem/LAN (screw only), User Power-on password, Setup Security, HDD Password, Keyboard Lock (by HotKey), Screen Blank (by Hotkey), Screen Saver (by software)

Bios

- ACPI (V1.0b), VESA (V2.0), DPMS, DDC (DDC2B), SM BIOS (V 2.3), PCI BIOS (V2.1) support

Operating System

- Microsoft® Windows XP Home pre-installed **(5105-S701)**
- Microsoft® Windows XP Pro pre-installed **(5105-S702)**
- Windows 2000 component drivers on the web

Additional Software

- Lotus® SmartSuite Millennium Edition
- Intuit Quicken Basic 2001
- Norton AntiVirus 2002
- AOL (3-month offer)
- Adobe Acrobat Reader
- Microsoft Internet Explorer
- Toshiba Custom Utilities
- Satellite Series Online Documentation
- ***Toshiba Great Software Offer*****:** Receive your choice of two software titles. The software selection includes titles from the follow categories; productivity, education/reference, creativity and entertainment

Warranty

- 1 year parts, labor and battery

Environmental Specifications

- **Temperature:** Operating: 5° to 35°C (41° to 95°F); Non-operating: -20° to 65°C (-4° to 149°F)
- **Thermal gradient:** Operating: 15°C per hour maximum; Non-operating: 20°C per hour maximum
- **Relative Humidity:** Operating: 20% to 80% non-condensing; Non-operating: 10% to 95% ono-condensing
- **Altitude (relative to sea level):** Operating: -60 to 3000 meters; Non-operating:-60 to 10,000 meters
- **Shock:** Operating: 10G; Non-operating: 60G
- **Vibration:** Operating: 0.5G; Non-operating: 1.0G

Accessories

Kingston Memory

KTT-3614/128	128MB PC2100 DDR SDRAM
KTT-3614/256	256MB PC2100 DDR SDRAM
KTT-3614/512	512MB PC2100 DDR SDRAM

TOSHIBA SD Memory

SD-M3203B3	32MB
SD-M6403B3	64MB
SD-M1283B3	128MB

Cases (Targus)

NWCGV1	Targus Global Traveler Carrying Case (Only case suitable for this unit)

Other Accessories

PA3083U-1ACA	Universal AC Adapter
PA3211U-1BRS	6-cell Li-Ion Battery **(5105-S701 & S702 models only)**
PA3079U-1PCC	2GB Type II HDD
PA450U	Targus Defcon Key Lock

Wi-Fi (Agere)

8484415560	Orinoco Wireless LAN PC Card (Gold)
8485582350	Orinoco AP-1000 Access Point
8485878380	Orinoco AP-500 Access Point
8485893390	Orinoco Range Extending Antenna

Product/Part Numbers/UPC

Satellite 5105-S701	PS511U-02WYJX
Satellite 5105-S702 (Win XP Pro)	PS511U-02WYJJ

Central Processing Unit ("CPU") Performance Disclaimer:

CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power without changing factory pre-set power management settings
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95° F) or >25°C (77°F) at high altitude (all temperature references are approximate).

Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.

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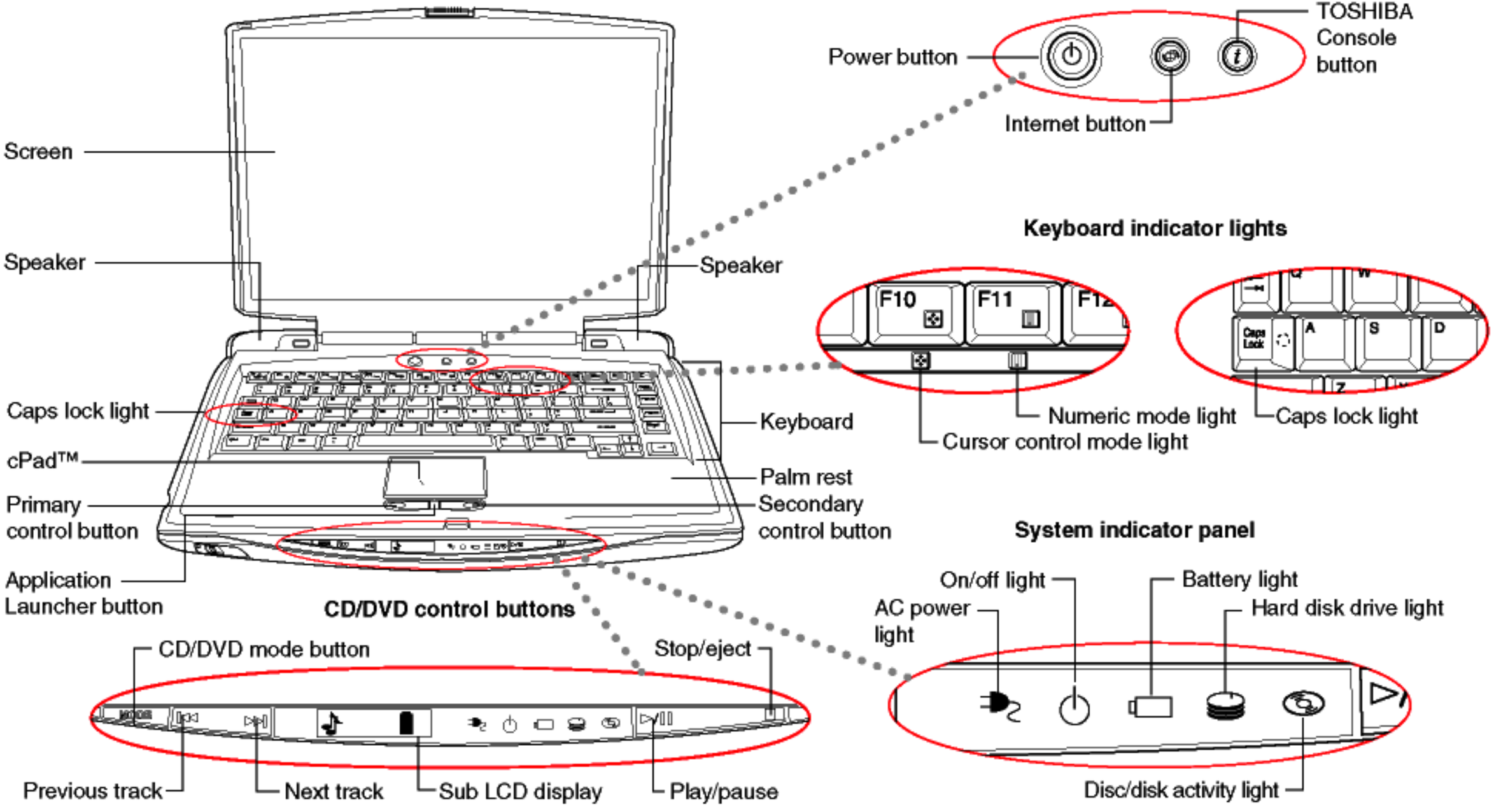
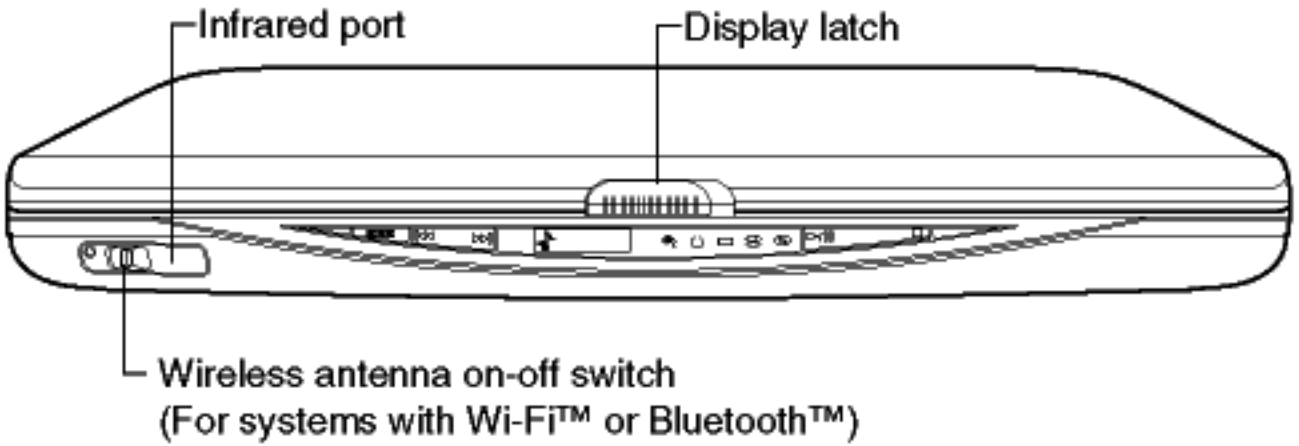
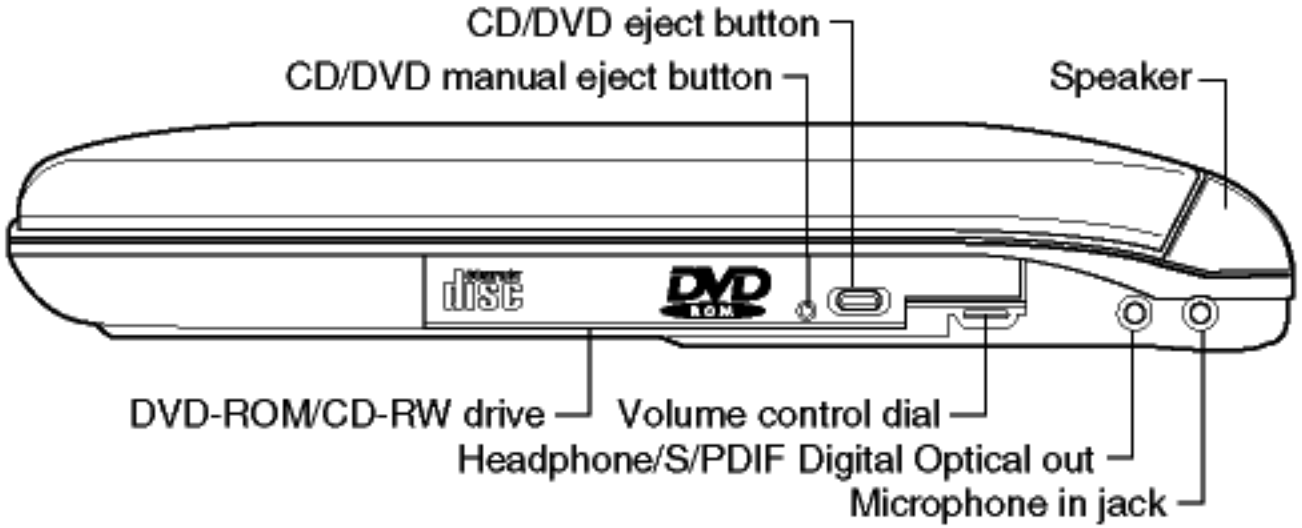
Front with display open



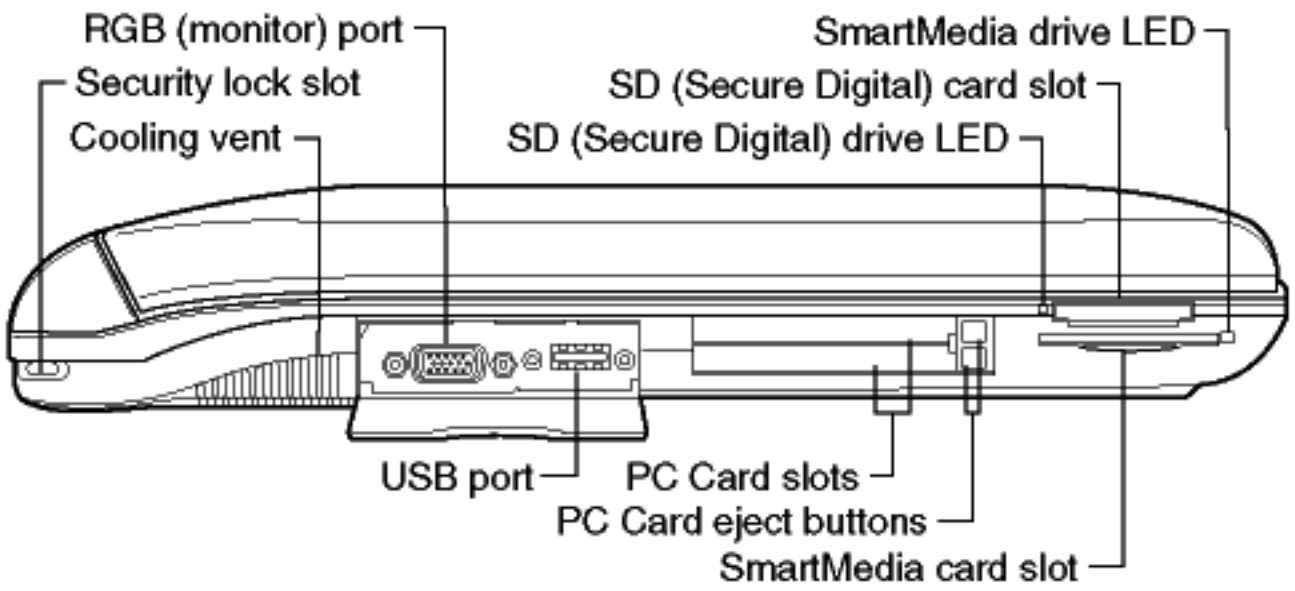
Front with display closed



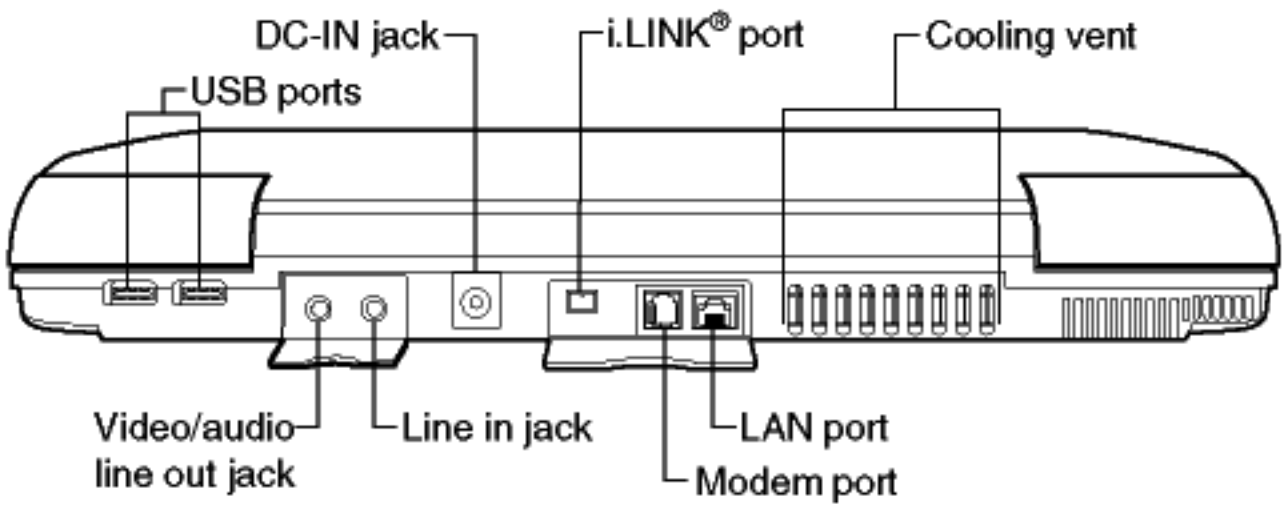
Right side


CD/DVD eject button
CD/DVD manual eject button
Speaker
DVD-ROM/CD-RW drive
Volume control dial
Headphone/S/PDIF Digital Optical out
Microphone in jack

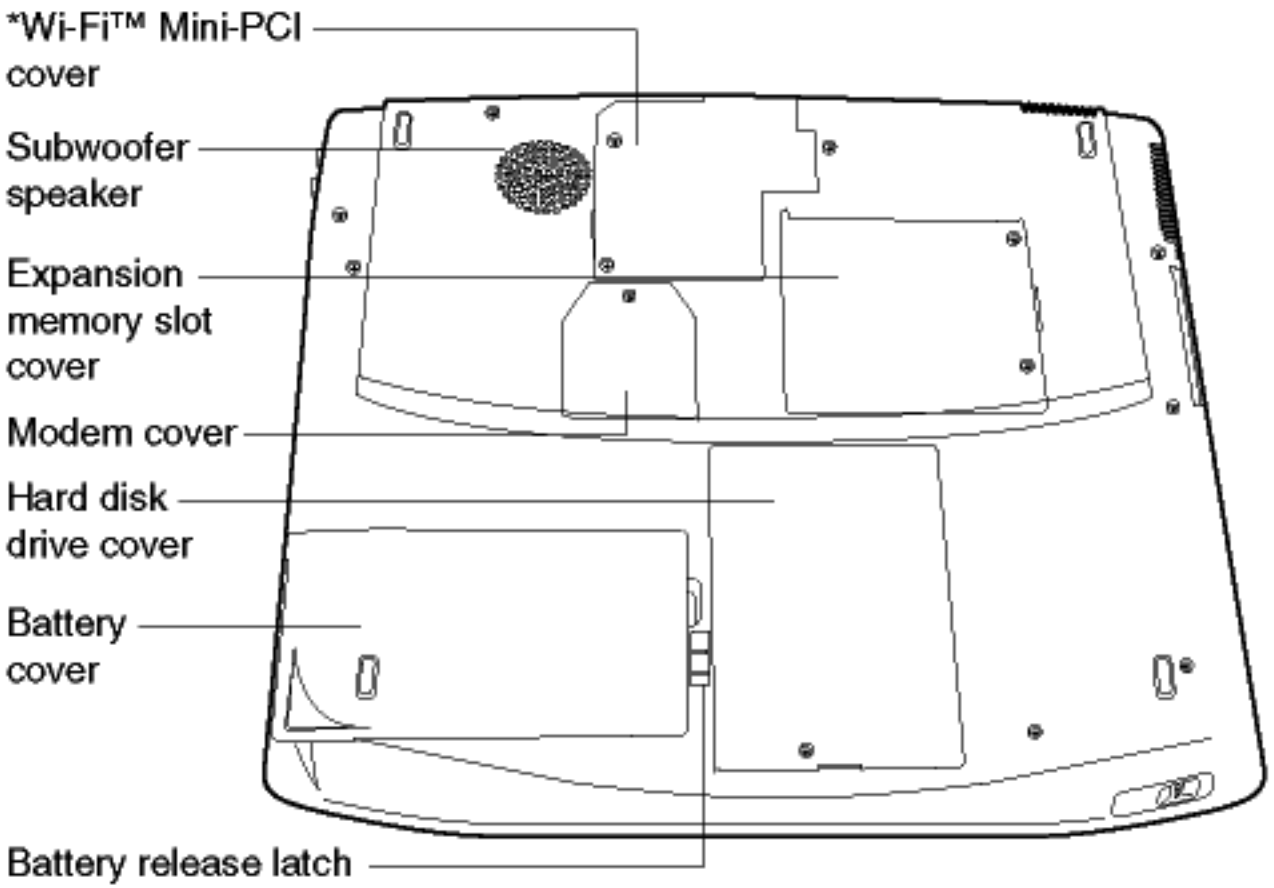
Left side


RGB (monitor) port
Security lock slot
Cooling vent
SmartMedia drive LED
SD (Secure Digital) card slot
SD (Secure Digital) drive LED
USB port
PC Card slots
PC Card eject buttons
SmartMedia card slot

Back


DC-IN jack
i.LINK® port
Cooling vent
USB ports
Video/audio
line out jack
Line in jack
LAN port
Modem port

Underside



*For systems with Wi-Fi

TOSHIBA

Satellite® 5105 Series

The Ultimate Multimedia notebook with remote control

Model(s):

Part Number

Satellite 5105-S501 PS511U-02TJCX

P4 1700, 15.0"SXGA+ ASV, 512MB, 40GB, DVD-CDRW, Mdm, LAN, WinXP Home

Satellite 5105-S502 PS511U-02TJCJ

P4 1700, 15.0"SXGA+ ASV, 512MB, 40GB, DVD-CDRW, Mdm, LAN, WinXP Pro

Product Highlights

Performance

- Mobile Intel® Pentium® 4 processor-M at 1.70GHz
- 512MB of Main Memory
- 40 GB hard disk drive

Convenient design

- New **Toshiba Remote Control** device
- DVD-ROM/CDRW multi-function drive
- External 3.5" 1.44MB USB floppy diskette drive included

Great Features

- Toshiba Personal Theatre 15.0" SXGA+ screen display
- **NVIDIA GeForce4 440 Go**, 32MB DDR video memory

Get On-Line

- Integrated V.90/56K modem
- Integrated 10/100 Ethernet LAN

System Characteristics

CPU *(See CPU Performance Disclaimer)*

- Mobile Intel® Pentium® 4 processor-M at 1.70GHz
- Integrated co-processor

L2 Cache

- 512KB Level 2 Cache integrated on die
- 400MHz Front Side Bus (FSB) clock speed

Memory

- 512MB SDRAM **(Expandable to 1024MB)**
- Expansion memory: 128/256/**512** MB, 2.5V, SODIMM, PC2100 DDR SDRAM
- Data/Address Bus Width; 64-bit/32-bit
- BIOS ROM: Intel FWH, 4MBit
- Intel® 845MP Chipset

Mass Storage

- **Floppy Disk Drive**: External USB 3.5", 1.44MB
- **Primary Hard Disk Drive**: 40GB hard disk drive, Enhanced IDE (ATA-5) Interface, 9.5mm height, 0.2lbs, 12ms access time (read/write), 2ms track to track seek time (read/write), supports PIO mode 4, Ultra DMA mode 5, Multiword DMA mode 2
- **DVD-ROM/CDRW**: Enhanced IDE (ATAPI) Interface; Compatibility: CD-ROM, CD-R (read/write), CD-RW (read/re-write), DVD-ROM, DVD-R (read only).
  Data Transfer Rate (min/max):
  - CD-ROM mode: 3600KB/sec
  - CD-R mode: 2400KB/sec
  - CD-RW mode: 1500KB/sec
  - DVD-ROM mode: 10800KB/sec
- Software Decoder: InterVideo (WinDVD)

Graphics/Video

- Toshiba Personal Theatre 15.0" SXGA+ active-matrix display; internal display supports up to 16M colors at 1400 x 1050
- **NVIDIA GeForce4 440 Go** graphics controller; 32MB 220MHz DDR external video memory
- 3D Graphics Accelerator, AGP bus support; 2D Graphics Accelerator, BitBLT hardware, Hardware cursor, Direct Draw support
- External Color Support/Refresh Rate:

800 x 600;	100Hz Non-Interlaced @16M
1024 x 768;	100Hz Non-Interlaced @16M
1280 x 1024;	100Hz Non-Interlaced @16M
1600 x 1200;	85Hz Non-Interlaced @16M
1920 x 1440;	60Hz Non-Interlaced @16M
2048 x 1536;	60Hz Non-Interlaced @16M

Input Devices

- **Keyboard:** Full sized 85 keys with 12 function keys, 2.7mm key stroke, 6mm height; Dedicated Windows® & Application keys support; HotKey function; TouchPad pointing device with Scroll function.
- **Toshiba Remote Control function:** Power On/Shut Down, CD/DVD/Digital Audio play control, Volume Control, Keyboard Emulation, Task change, Maximize Window
- **CD Control Function:** Play/Pause, Stop/Eject, Previous, Skip/Next, CD Power, and MP3 function
- Toshiba Console button & Instant Access Internet button

Expandability

- 2 Expansion memory slots (including main memory slot); 2 PC Card slots support 2 Type II or 1 Type III PC Cards; 32-bit CardBus ready

Communications

- Integrated V.90/56K modem; Data and fax support
- Integrated 10/100 Ethernet LAN

Due to FCC limitations, speeds of 53kbps are the maximum permissible transmission rates during Download. Actual data transmission speeds will vary depending on line conditions.

Ports

- RGB (monitor) port
- 3 Universal Serial Bus ports
- Infrared port
- TV-Out (NTSC/PAL output; 3.5mm mini jack, bundled RCA conversion cable)
- RJ-45 LAN port
- RJ-11 modem port
- S/P DIF – headphone port (integrated to S/P DIF), Dolby AC3 Digital support (S/P DIF Optical)
- I.Link (IEEE 1394) port
- SmartMedia slot
- Secure Digital (SD) card slot

Physical Description

- Dimensions (LxWxH): 12,9" x 11.6" x 1.8"
- Weight: 7.13lbs
- LED Indicators: Power, Power Save Mode (with ACPI-OS-common to power), HDD, DVD/CDRW, DC-IN, Caps Lock, Arrow, Numeric, Main Battery Charging Status (on Sub LCD), Remaining Battery life (on Sub LCD), System Sleep/Suspend Status, SD Card, SmartMedia

Sound

- Yamaha YMF753 Codec Chip
- 16-bit stereo, Windows Sound System Ver. 2.0; SoundBlaster® Pro compatible (in DOS box only)
- **Built-in harman/kardon Stereo Speakers with subwoofer**
- 3D sound support with HRTF 3D positional audio; Direct 3D Sound (supported by sound driver); Hardware acceleration for DirectSound and DirectMusic; Full Duplex and MIDI (play back) support, 64 voices
- Sound Volume (by Dial)
- **Ports:** External Microphone port, headphone port (integrated to S/P DIF), Line-in port, Line-out (unified with TV-Out), Dolby AC3 Digital support (S/P DIF Optical)

Power Supply

- **AC Adapter: 75**W AC Adapter, 100-240V / 50-60Hz frequency (Universal) input voltage, 15V x 5A Output.
  Dimensions (LxWxH): 4.9" x 2.4" x 0.9"
  Weight: 0.74lbs
- **Battery Pack: 6**-cell, rechargeable, removable Lithium Ion (Graphite) battery, 10.8V x 3600mAh

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Dimension (LxWxH): 6.8" x 2.7" x 0.7"
Weight: 0.81lbs

- Battery Saver (in WindowsXP): Stand by, HDD Auto Off, Display Auto Off, Throttling, Hibernation
- Approx. 1.43h battery life; Recharge time(off/on): 2.5h/ 10h Battery life may vary depending on applications, power management settings and features utilized. Recharge time varies depending on usage.

Security

- Slot for computer lock, HDD and memory (by screw only), Built-in Modem/LAN (screw only), User Power-on password, Setup Security, HDD Password, Keyboard Lock (by HotKey), Screen Blank (by Hotkey), Screen Saver (by software)

Bios

- ACPI (V1.0b), VESA (V2.0), DPMS, DDC (DDC2B), SM BIOS (V 2.3), PCI BIOS (V2.1) support

Operating System

- Microsoft® Windows XP Home pre-installed **(5105-S501)**
- Microsoft® Windows XP Pro pre-installed **(5105-S502)**
- Windows 2000 component drivers on the web

Additional Software

- Lotus® SmartSuite Millennium Edition
- Intuit Quicken Basic 2001
- Norton AntiVirus 2002
- AOL (3-month offer)
- Adobe Acrobat Reader
- Microsoft Internet Explorer
- Toshiba Custom Utilities
- Satellite Series Online Documentation
- ***Toshiba Great Software Offer*****:** Receive your choice of two software titles. The software selection includes titles from the follow categories; productivity, education/reference, creativity and entertainment

Warranty

- 1 year parts, labor and battery

Environmental Specifications

- **Temperature:** Operating: 5° to 35°C (41° to 95°F); Non-operating: -20° to 65°C (-4° to 149°F)
- **Thermal gradient:** Operating: 15°C per hour maximum; Non-operating: 20°C per hour maximum
- **Relative Humidity:** Operating: 20% to 80% non-condensing; Non-operating: 10% to 95% ono-condensing
- **Altitude (relative to sea level):** Operating: -60 to 3000 meters; Non-operating:-60 to 10,000 meters
- **Shock:** Operating: 10G; Non-operating: 60G
- **Vibration:** Operating: 0.5G; Non-operating: 1.0G

Accessories

Kingston Memory

KTT-3614/128	128MB PC2100 DDR SDRAM
KTT-3614/256	256MB PC2100 DDR SDRAM
KTT-3614/512	512MB PC2100 DDR SDRAM

TOSHIBA SD Memory

SD-M3203B3	32MB SD card
SD-M6403B3	64MB SD card
SD-M1283B3	128MB SD card

Cases (Targus)

NWCGV1	Targus Global Traveler Carrying Case (Only case suitable for this unit)

Other Accessories

PA3083U-1ACA	Universal AC Adapter
PA3211U-1BRS	6-cell Li-Ion Battery ***(5105-S501 & S502 models only)***
PA3079U-1PCC	2GB Type II PC Card HDD
PA450U	Targus Defcon Key Lock

Wi-Fi (Agere)

8484415560	Orinoco Wireless LAN PC Card (Gold)
8485582350	Orinoco AP-1000 Access Point
8485878380	Orinoco AP-500 Access Point
8485893390	Orinoco Range Extending Antenna

Product/Part Numbers/UPC

Satellite 5105-S501 (Win XP Home)	PS511U-02TJCX
Satellite 5105-S502 (Win XP Pro)	PS511U-02TJCJ

Central Processing Unit ("CPU") Performance Disclaimer:

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- use of battery power instead of AC power without changing factory pre-set power management settings
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
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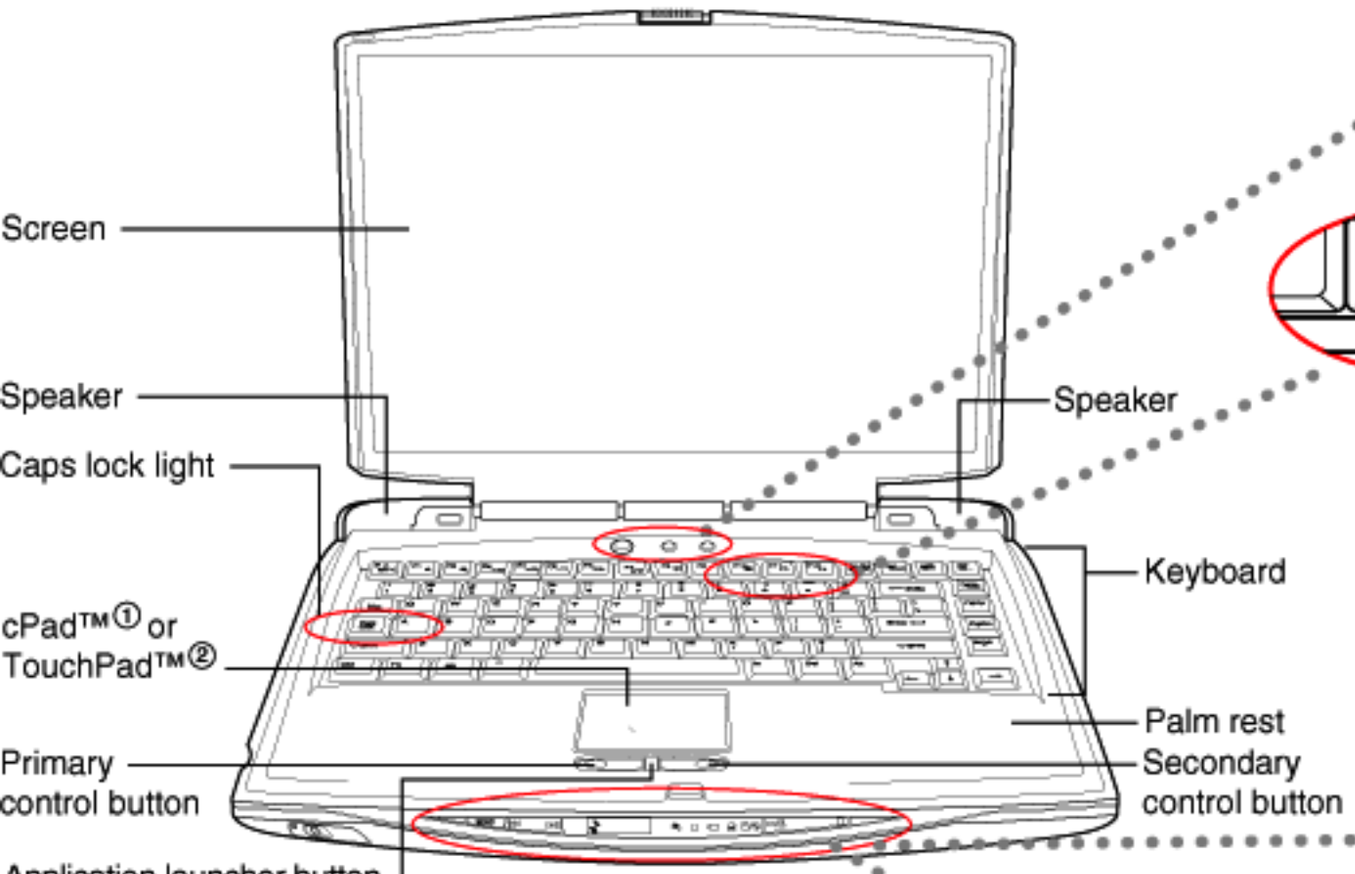
Front with display open

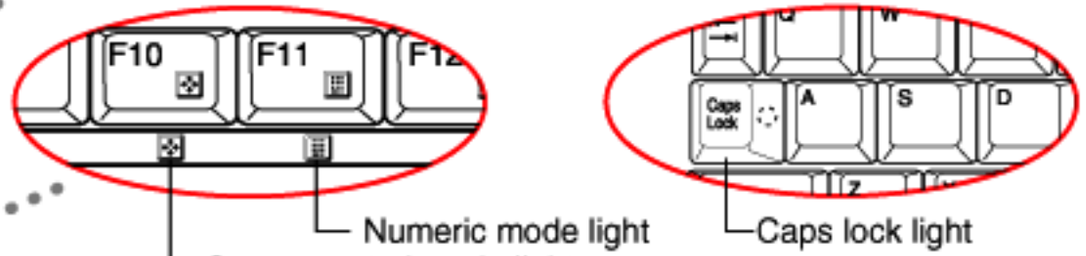


① For systems with cPad™

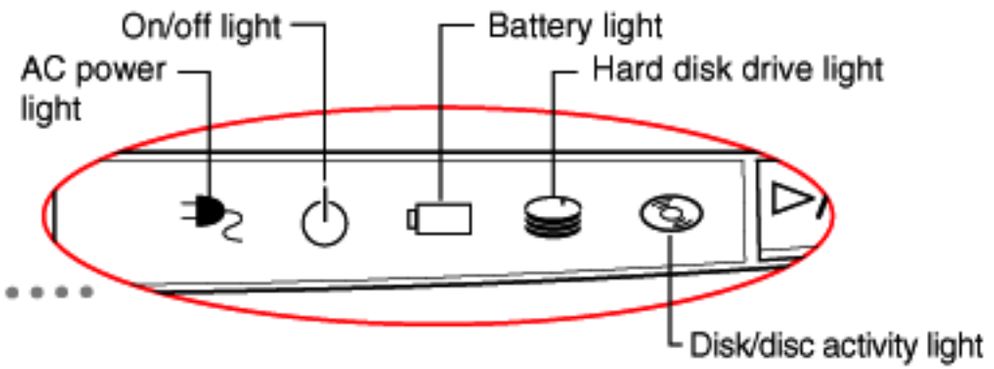
② For systems with TouchPad™

Panel buttons

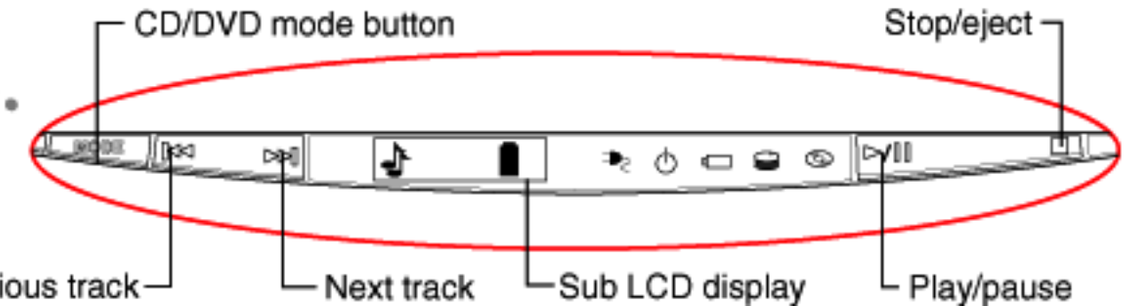
Keyboard indicator lights



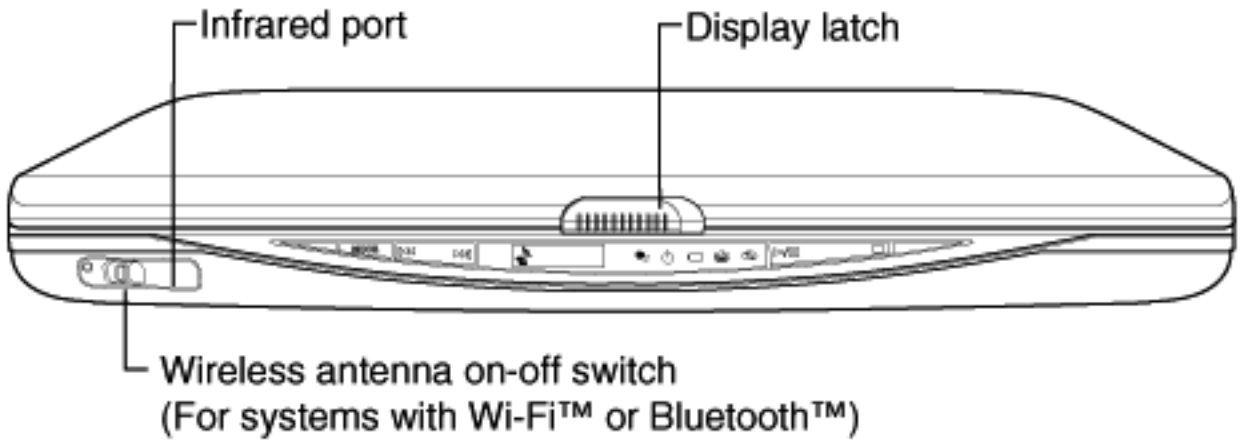
System indicator panel



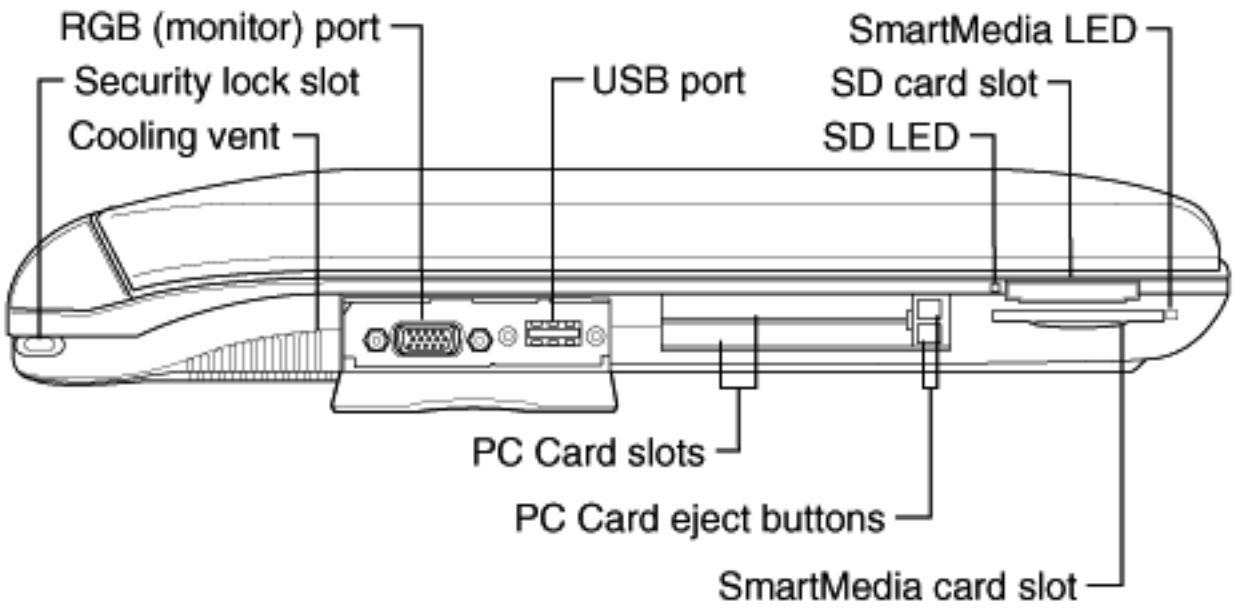
CD/DVD control buttons



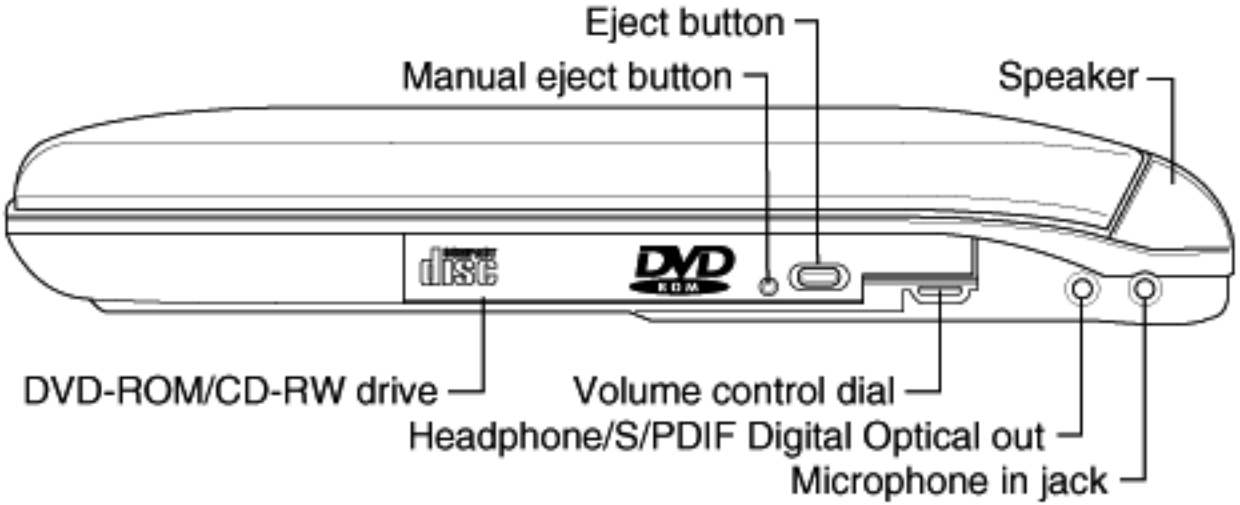
Front with display closed



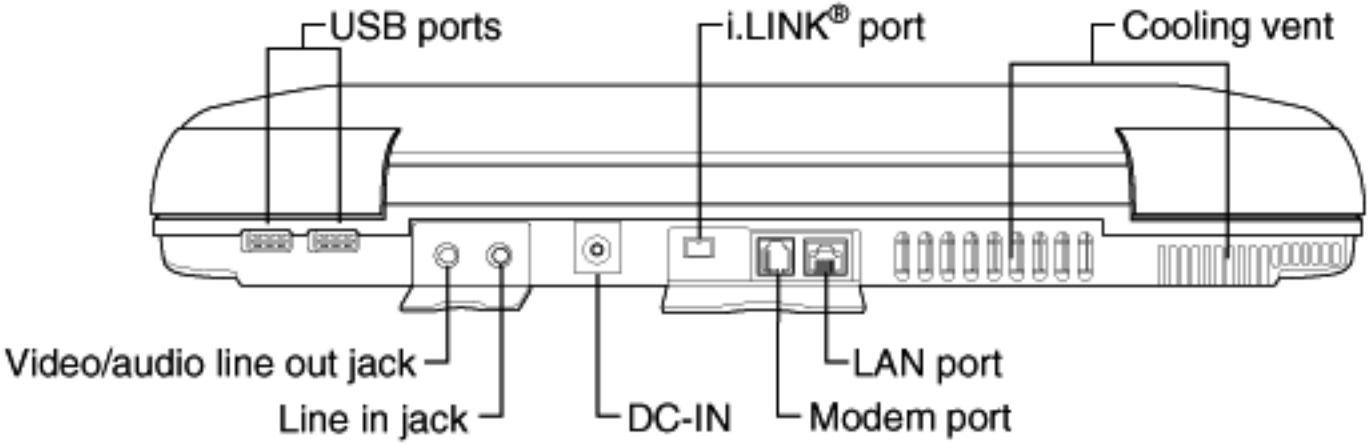
Left side


RGB (monitor) port
Security lock slot
Cooling vent
USB port
SmartMedia LED
SD card slot
SD LED
PC Card slots
PC Card eject buttons
SmartMedia card slot

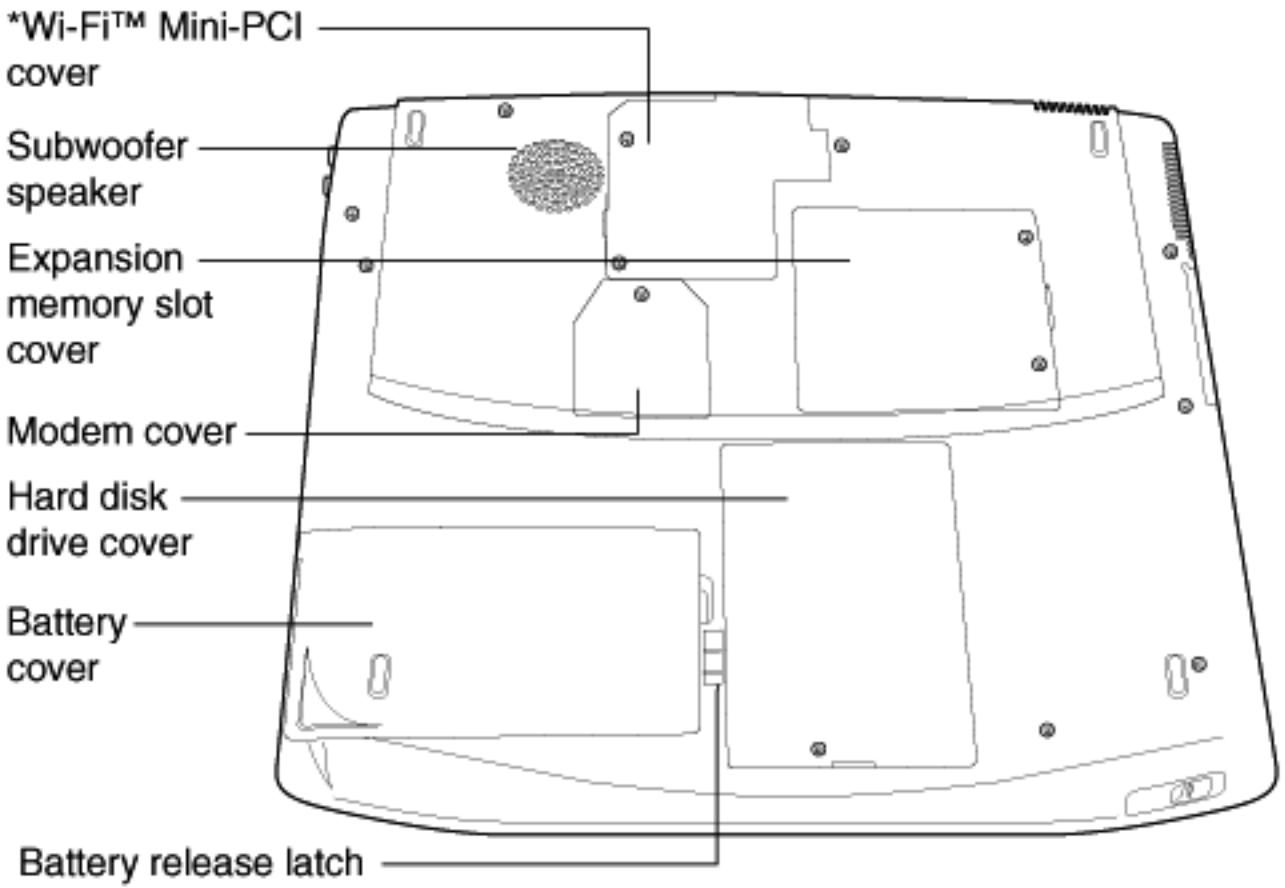
Right side


Eject button
Manual eject button
Speaker
DVD-ROM/CD-RW drive
Volume control dial
Headphone/S/PDIF Digital Optical out
Microphone in jack

Back


USB ports
i.LINK® port
Cooling vent
Video/audio line out jack
Line in jack
DC-IN
LAN port
Modem port

Underside



*For systems with Wi-Fi